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L1: Entry 90 of 139

File: DWPI

Aug 11, 1982

DERWENT-ACC-NO: 1982-68598E

DERWENT-WEEK: 198233

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TITLE: Spray-dried soap particles - consisting of particles coated with finely divided water-soluble inorganic salts

INVENTOR: EVANS, E H; REES, J C

PRIORITY-DATA:

1981GB-0003444

February 4, 1981

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
EP 57611 A	August 11, 1982	E	011	N/A
BR 8200575 A	December 7, 1982	N/A	000	N/A
CA 1185498 A	April 16, 1985	N/A	000	N/A
NO 8200321 A	August 30, 1982	N/A	000	N/A
PT 74385 A	May 31, 1983	N/A	000	N/A
ZA 8200687 A	August 3, 1983	N/A	000	N/A

INT-CL (IPC): C11D 9/10; C11D 11/02; C11D 13/26; C11D 17/06

ABSTRACTED-PUB-NO: EP 57611A

BASIC-ABSTRACT:

Spray-dried particles consist mainly of H<sub>2</sub>O-soluble soap particles (I); have average dia. 300-700 microns; and are coated with an inorganic substance (II). (II) is H<sub>2</sub>O-soluble; and at least 80% by wt. of its particles have average dia. less than 100 microns.

(I) pref. have average dia. 500-600 microns, and the ratio (I) particle dia.: (II) particle dia. is 6-8:1, pref. 7:1. (I) particles contain 51-100% pref. 60-80% by wt. soap (pref. from coconut oil and tallow, or from an unsatd. fatty acid (at least 16C; pref. at least 25% by wt. of (I) particle)); up to 15% by wt. of anionic surfactants (Na alkylbenzene sulphonate etc.); and up to 30% by wt. nonionic surfactants (pref. 7-25C prim. alcohols ethoxylated with 5-30 mol. of ethylene oxide). (II) (pref. 3-25% by wt. of total compsn.) is pref. an H<sub>2</sub>O-soluble phosphate, carbonate, borate, sulphate, or metasilicate salt (esp. Na or K) opt. mixed with an organic cpd. (pref. Na nitrolotriacetate or tetraacetyl-ethylenediamine).

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File: DWPI

Jul 25, 1978

DERWENT-ACC-NO: 1978-79895A

DERWENT-WEEK: 197844

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TITLE: Polyester industrial yarn esp. for tyre cord - is treated with two finishes both contg. branched chain alcohol stearate

INVENTOR: DARDOUFAS, K C; MARSHALL, R M

## PRIORITY-DATA:

1977US-0781913

March 28, 1977

1976US-0653974

January 30, 1976

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 4103068 A	July 25, 1978	N/A	000	N/A

INT-CL (IPC): B32B 27/00; D02G 3/00

ABSTRACTED-PUB-NO: US 4103068A

## BASIC-ABSTRACT:

A yarn of PET filaments is treated with 0.3-0.6 wt. % of a first finish then 0.7-1.2 wt. % of a second finish. The first finish comprises 10-20 wt. % refined coconut oil, 10-20 wt. % 14-15C branched chain alcohol stearate, 3-6 wt. % ethoxylated tallow amine, 10-20 wt. % ethoxylated lauryl alcohol, 8-12 wt. % sodium alkylaryl sulphonate, 1-3 wt. % dinonyl sodium sulphosuccinate and 35-50 wt. % white mineral oil of b. pt. 510-620 degrees F. At least 0.15 wt. % first finish is retained on the yarn.

The second finish comprises 13-25 wt. % glycerol monooleate or decaglycero l tetraoleate with ethoxylated tall oil fatty acids, 12-20 wt. % sulphated glycerol trioleate or ethoxylated tallow amine and 55-75 wt. % 14-15C branched chain alcohol stearate.

The finished yarn does not yellow on exposure to light. When used in tyres, extra high-speed endurance is provided.

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File: DWPI

Jun 8, 1976

DERWENT-ACC-NO: 1976-47981X

DERWENT-WEEK: 197625

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TITLE: Polyester tyre cord yarns - of polyethylene terephthalate with oil spin finish and polyalkylene glycol overfinish

## PRIORITY-DATA:

1975US-0583826

June 4, 1975

1973US-0412368

November 1, 1973

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 3962516 A	June 8, 1976	N/A	000	N/A

INT-CL (IPC): B32B 27/04

ABSTRACTED-PUB-NO: US 3962516A

## BASIC-ABSTRACT:

Synthetic yarns are composed of polyethylene terephthalate filaments treated with (on wt. of yarn) 0.3-0.6 wt.% of a liq. compsn. comprising 10-20 wt.% each of hexadecyl stearate and refined coconut oil, 3-6 wt.% ethoxylated tallow amine, 10-20 wt.% ethoxylated lauryl alcohol, 8-12 wt.% Na alkylaryl sulphonate, 1-3 wt.% dinonyl Na sulphosuccinate, 1-3 wt.% 4, 4'-thio-bis (3-methyl-6-tert.butylphenol) and 35-50 wt.% white mineral oil b.pt. 510-620 degrees F so that 0.15-0.30 wt.% is retained in the yarn, and the yarn is treated with 0.5-1.5 wt.% (on yarn) of a polyalkylene glycol finish (I) consisting essentially of a polyoxyethylated-polyoxypropylated monoether condensn. prod. of 40-60 mol. % ethylene oxide and 40-60 mol. % propylene oxide with a 3-5C alcohol, with a mol.wt. of 300-600 and a viscosity of 75-300 S.U.S. at 100 degrees F. The treatment is esp. useful for producing tyre yarns with improved compression-extension durability in rubber. The finishing agent (I) has the formula R-(O-R1-O-R2)n-OH where R1 and R2 = Et, Me, etc. R = 1-8C alkyl and n is such that the mol. wt. is  $\geq 300$ . Pref. after the treatment the yarn is heated for 10-160 sec. at 215-230 degrees C. In a further embodiment, the finish (I) is applied without the prior oil treatment.

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File: DWPI

Apr 6, 1976

DERWENT-ACC-NO: 1976-30080X

DERWENT-WEEK: 197616

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TITLE: Frozen dessert product and prepn. process - final prepn.  
step carried out by consumer

PRIORITY-DATA:

1975US-0592008

June 30, 1975

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 3949102 A	April 6, 1976	N/A	000	N/A
BE 843603 A	December 29, 1976	N/A	000	N/A
CA 1082979 A	August 5, 1980	N/A	000	N/A
DE 2629023 A	February 3, 1977	N/A	000	N/A
FR 2315857 A	March 4, 1977	N/A	000	N/A
GB 1542698 A	March 21, 1979	N/A	000	N/A
IT 1061445 B	February 28, 1983	N/A	000	N/A
JP 52031868 A	March 10, 1977	N/A	000	N/A
NL 7607152 A	January 3, 1977	N/A	000	N/A

INT-CL (IPC): A23G 9/00; A23L 0/00

ABSTRACTED-PUB-NO: US 3949102A

## BASIC-ABSTRACT:

The frozen dessert compsn. comprises: (a) 2-7% protein solids esp. non-fat milk solids, (b) 5-25% edible triglyceride e.g., cottonseed-, soybean-, corn-, sunflower-, palm-, palm kernel-, peanut-, rice-, safflower-, or coconut oil, (c) 0.2-2% first emulsifier selected from edible polyglycerol fatty acid esters contg. 2-10 (pref. 2-3) glycerol units and 1-3 (pref.) 14-18C fatty acid gps. per glycerol moiety, or sorbitan fatty acid esters contg. 1-3 (pref.) 14-18C fatty acid gp. per sorbitan moiety, (d) 0.5-15wt. % with respect to first emulsifier, of a second emulsifier which is an edible anionic surfactant, e.g., alkali(ne earth) salts of fatty carboxylates, sulphates, sulphonates, fatty acid lactylates and half salts of dicarboxylic acid esters of 8-20C; (e) 10-40wt. % saccharides, pref. dextrose, sucrose, leavulose, matlose, corn syrup or mixts. thereof; (f) 45-65% water. Flavours, colouring agents and stabilisers are included.

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File: DWPI

Feb 24, 1976

DERWENT-ACC-NO: 1976-18782X

DERWENT-WEEK: 197610

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TITLE: Polyester yarn for tyre cord - treated with finish  
contg. polyalkylene glycol ether, triazine triol and  
polyepoxide for better adhesion to rubber

PRIORITY-DATA:

1974US-0484055

June 28, 1974

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 3940544 A	February 24, 1976	N/A	000	N/A

INT-CL (IPC): B29H 9/02; B32B 25/02; B32B 27/02

ABSTRACTED-PUB-NO: US 3940544A

BASIC-ABSTRACT:

A yarn consisting of polyethylene terephthalate (I) filaments with COOH end gp. content <25 meq/kg is treated (A) with 0.3-0.6% wt. % (on the yarn) of a liquid finish compsn. comprising 10-20 wt. % hexadecyl stearate; 10-20 wt. % refined coconut oil; 3-6 wt. % ethoxylated tallow amine, 10-20 wt. % ethoxylated lauryl alcohol; 8-12 wt. % Na alkaryl sulphonate, 1-3 wt. % dinonyl Na sulphosuccinate; 1-3 wt. % 4,4'-thio-bis(3-methyl-6-t-butylphenol); 35-50 wt. % mineral oil of b.pt. 510-620 degrees F and 0.15-0.3% of this finish is retained; then (B) with 0.5-1.5% (on the yarn) a finish compsn. comprising a polyalkylene glycol deriv. (II) of formula R(OR1OR2)nOH (R1 and R2 = 1-5C alkylene; R = 1-8C alkyl; n gives mol. wt. 300-600), plus 5-35 wt. % on (II) of a triazine triol of formula (III) (R and R1 are same or diff. H, CH3 or C2H5; r,s, and t are 1-20) and 1-6 wt. % on (II) of a polyepoxide (IV) with >=2 epoxy gps., m.pt. <150 degrees C and mol. wt. <3000. Used for making tyre cord. Treatment in (B) improves adhesion to rubber.

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File: DWPI

DERWENT-ACC-NO: 1972-29601T

DERWENT-WEEK: 197219

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TITLE: Polyethylene terephthalate yarns - for tyre cord liquid finish contg lubricants, emulsifiers, antistatic wetting agent

PRIORITY-DATA:

1970US-0084168

October 26, 1970

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 2152666 A		N/A	000	N/A
CA 931938 A		N/A	000	N/A
GB 1354381 A	May 30, 1974	N/A	000	N/A
JP 47009847 A		N/A	000	N/A
NL 7209639 A		N/A	000	N/A
US 3672977 A		N/A	000	N/A

INT-CL (IPC): C10M 1/40; D06M 5/10; D06M 13/16

ABSTRACTED-PUB-NO: DE 2152666A

BASIC-ABSTRACT:

Yarns are first treated with 0.3-0.6 wt.%/wt. yarn liq. (I) contg. (a) 10-20 wt.% each hexadecyl stearate and refined coconut oil, (b) 3-6 wt.% ethoxylated tallow amine, (c) 10-20 wt.% ethoxylated lauryl alcohol, (d) 8-12 wt.% N a alkylaryl sulphonate, (e) 1-3 wt.% dinonyl Na sulphonsuccinate, (f) 1-3 wt.% 4,4'-thio-bis-(3-ME-6-tert- butylphenol), (g) 35-50 wt.% white spirits of 266-327 degrees C b.pt. and 38-40 SUS viscosity so that fibres retain  $\geq 0.15$ -0.3 wt.% (I); and with a liq. (II) contg either (A) 95-98 wt.% triethyleneglycol dipelargonate and 2-5 wt % 2,2'-methylene-bis-(4-Me-6-tertnonyl phenol) or (B) 13-25 wt.% glycerol monooleate and/or decaglycerol tetraoleate with ethoxylated tallow oil fatty acids, 12-20 wt.% sulphated glycerol trioleate and/or ethoxylated alkylamine and 55-75 wt.% hexadecyl-(isocetyl)-stearate.